

$f_2(2010)$ $I^G(J^{PC}) = 0^+(2^{++})$

NODE=M106

 $f_2(2010)$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
2011$^{+62}_{-76}$	¹ ETKIN	88	MPS $22\pi^- p \rightarrow \phi\phi n$
• • • We do not use the following data for averages, fits, limits, etc. • • •			
2005 ± 12	VLADIMIRSK...06	SPEC	$40\pi^- p \rightarrow K_S^0 K_S^0 n$
1980 ± 20	² BOLONKIN	88	SPEC $40\pi^- p \rightarrow K_S^0 K_S^0 n$
2050^{+90}_{-50}	ETKIN	85	MPS $22\pi^- p \rightarrow 2\phi n$
2120^{+20}_{-120}	LINDENBAUM	84	RVUE
2160 ± 50	ETKIN	82	MPS $22\pi^- p \rightarrow 2\phi n$
¹ Includes data of ETKIN 85. The percentage of the resonance going into $\phi\phi 2^{++} S_2$, D_2 , and D_0 is 98^{+1}_{-3} , 0^{+1}_{-0} , and 2^{+2}_{-1} , respectively.			
² Statistically very weak, only 1.4 s.d.			

NODE=M106M

NODE=M106M

 $f_2(2010)$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
202$^{+67}_{-62}$	³ ETKIN	88	MPS $22\pi^- p \rightarrow \phi\phi n$
• • • We do not use the following data for averages, fits, limits, etc. • • •			
209 ± 32	VLADIMIRSK...06	SPEC	$40\pi^- p \rightarrow K_S^0 K_S^0 n$
145 ± 50	⁴ BOLONKIN	88	SPEC $40\pi^- p \rightarrow K_S^0 K_S^0 n$
200^{+160}_{-50}	ETKIN	85	MPS $22\pi^- p \rightarrow 2\phi n$
300^{+150}_{-50}	LINDENBAUM	84	RVUE
310 ± 70	ETKIN	82	MPS $22\pi^- p \rightarrow 2\phi n$
³ Includes data of ETKIN 85.			
⁴ Statistically very weak, only 1.4 s.d.			

NODE=M106M;LINKAGE=C

NODE=M106M;LINKAGE=E

NODE=M106W

NODE=M106W

 $f_2(2010)$ DECAY MODES

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \phi\phi$	seen
$\Gamma_2 K\bar{K}$	seen

NODE=M106W;LINKAGE=C
NODE=M106W;LINKAGE=E

NODE=M106215;NODE=M106

 $f_2(2010)$ BRANCHING RATIOS

$\Gamma(K\bar{K})/\Gamma_{\text{total}}$	DOCUMENT ID	TECN	COMMENT	Γ_2/Γ
seen	VLADIMIRSK...06	SPEC	$40\pi^- p \rightarrow K_S^0 K_S^0 n$	

DESIG=1;OUR EST; \rightarrow UNCHECKED \leftarrow
DESIG=2

NODE=M106230

NODE=M106R01
NODE=M106R01 **$f_2(2010)$ REFERENCES**

VLADIMIRSK... 06	PAN 69 493 Translated from YAF 69 515.	V.V. Vladimirsy <i>et al.</i>	(ITEP, Moscow)
BOLONKIN 88	NP B309 426	B.V. Bolonkin <i>et al.</i>	(ITEP, SERP)
ETKIN 88	PL B201 568	A. Etkin <i>et al.</i>	(BNL, CUNY)
ETKIN 85	PL 165B 217	A. Etkin <i>et al.</i>	(BNL, CUNY)
LINDENBAUM 84	CNPP 13 285	S.J. Lindenbaum	(CUNY)
ETKIN 82	PRL 49 1620	A. Etkin <i>et al.</i>	(BNL, CUNY)
Also	Brighton Conf. 351	S.J. Lindenbaum	(BNL, CUNY)

NODE=M106

REFID=51191
REFID=40580
REFID=40285
REFID=21871
REFID=21869
REFID=21866
REFID=21867